

BIOGRAPHICAL SKETCH

NAME: Rebecca L. Calderon **POSITION TITLE:** Director, Human Studies Division

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
University of Iowa, Iowa City, IA	B.S.	1973-1977	Microbiology
University of Rhode Island, Kingston, RI	M.S.	1977-1979	Microbiology
Yale University, New Haven, CT	MPH	1979-1981	Infectious Disease
Yale University, New Haven, CT	M. Phil	1981-1982	Environmental Epi
Yale University, New Haven, CT	Ph.D	1981-1985	Environmental Epi

PROFESSIONAL EXPERIENCE

Director, Human Studies Division, NHEERL, ORD, EPA	2004-Present
Acting Director, Human Studies Division, NHEERL, ORD, EPA	2003-2004
Chief, Epidemiology & Biomarkers Branch, NHEERL, ORD, EPA	1996-2003
Epidemiologist, Epidemiology & Biomarkers Branch, NHEERL, ORD, EPA	1992-1996
Epidemiologist, Office of Health Research, ORD, EPA	1989-1992
Associate Research Scientist and Lecturer, Yale School of Medicine.	1986-1989

SELECTED AWARDS AND HONORS

1999-2000: American Society for Microbiology Foundation Lecturer
2000 - Water Technology, One of 20 most influential people in drinking water research
2001 - USEPA, Diversity Leadership Award
2003 - USEPA Special Award for Beaches Recreational Waters Initiatives on Waterborne Pathogens
2004 - USEPA, Gold Medal for Report on the Environment, Technical Document

INVITED LECTURES/SYMPOSIA (Selected presentations from a total of 18 in the last 5 years)

1. "Impact of USEPA Drinking Water Regulations on Waterborne Disease Outbreaks:", NEHA, Providence, RI, June 2005
2. "Drinking Water Research at EPA" Association of Schools of Public Health: Environmental Health Conference, Oklahoma City, OK, June 2005
3. "Human Studies Division" Association of Health Care Journalist, April 2004
4. "Pathogens and Nonpoint Source Pollution" Great Lakes Nonpoint Source Pollution from Land Use Workshop: a Post-PLUARG Review, Ann Arbor, MI, 2004
5. "New Indicators for Beaches Coming Your Way", Annual Meeting of the National Environmental Health Association, Anchorage, AK, May 2004
6. "Endemic Waterborne Illness", Annual Meeting of the National Environmental Health Association, Anchorage, AK, May 2004
7. "Report on the Environment - Health Chapter", Annual Meeting of the National Environmental Justice Advisory Committee, New Orleans, LA, April 2004
8. "Cardiovascular Disease and Water Minerals, 1970-1985", WHO workshop on replacing minerals in water, Rome, Italy, November 2003
9. "Air Pollution and the Elderly", Annual Meeting of the American Public Health Association, San Francisco, CA, November 2003
10. "Waterborne Disease Outbreaks: 30 years of reporting", National Environmental Health Association

ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY

World Health Organization, Ca & Mg in Water, 2006
External Advisory Committee of the Tufts Water: Systems, Science, and Society, 2006
HESI/ILSI - Futures Planning, 2004
World Health Organization, Zoonoses Transmitted by Water, 2003

World Health Organization, Minerals and Water Advisory Panel, 2003
 Member, Fifth International Arsenic Congress Organizing Committee, 2002 - present
 CSTE/CDC Committee on Public Health Indicators for Water, 2000-2001
 Mission Bay, California Epidemiologic Advisory Panel, 2002-present
 American Academy of Microbiology - Enteric Disease Panel, 2002
 Department of the Army, Gulf War Illness panel, 2001

ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY

Human Health Multiyear Plan for Long Term Goal 4. Public Health Benefit
 Accountability Health Research Initiative co chair - present
 State of the Environment Report: Technical Supporting Document on Health 1993- present
 Beaches Action Plan: Revision and Update, 2001 - present
 NHEERL Multiyear planning for drinking water, human health risk assessment, 1999-present
 Human Health Risk Assessment: Public Health Benefit Workgroup, 1999-2001
 ORD Leadership Development Workgroup, 2003 - present
 National Estimate of Waterborne Disease Workgroup - 1998- present

PUBLICATIONS (13 selected from an overall total of 52 papers and 17 book chapters, books and symposium papers)

- Peterson, CA, Calderon RL "Trends in Enteric Disease as a Cause of Death in the United States, 1989-1996" American Journal of Epidemiology, 57: 58-65, 2003.
- Abernathy, CO, Thomas, DJ, Calderon RL. "Health Effects and Risk Assessment of Arsenic", Journal of Nutrition, supplement 1536S-1538S, 2003.
- Frost FJ, Kunde T, Muller T, Craun CF, Calderon RL, Katz LM, Hibbard AJ "Serological Responses to Cryptosporidium Antigens Among Users of Surface versus Underground Drinking Water Sources", Epidemiology and Infection 131: 1131-1138, 2003.
- Zenick H, Calderon RL "Human Health Outcomes and Accountability", Environmental Policy Report. 10:1-5, 2004
- Calderon RL, Thomas DJ, Abernathy CO "Consequences of Acute and Chronic Exposure to Arsenic", Annals of Pediatrics. 33: 461-466, 2004.
- Yoder JS, Blackburn BG, Craun GF, Hill V, Levy DA, Chen N, Lee SH, Calderon RL, Beach MJ, "Surveillance for Waterborne-Disease Outbreaks Associated with Recreational Water - United States, 2001-2002" MMWR 53:/SS-8: 1-21, 2004.
- Blackburn BG, Craun GF, Yoder JS, Hill V, Calderon RL, Chen N, Lee SH, Levy DA, Beach MJ, " Surveillance for Waterborne-Disease Outbreaks Associated with Drinking Water - United States, 2001-2002" MMWR 53/SS-8: 23-45, 2004.
- Frost FJ, Muller T, Calderon RL, Craun G, "Analysis of Serological Responses to *Cryptosporidium* Antigen Among NHANES III Participants", Annals of Epidemiology 14: 473-478, 2004.
- Tollestrup K, Frost FF, Cristiani M, McMillan GP, Calderon RL, Padill RS. "Arsenic-induced skin conditions identified in southwest dermatology practices: an epidemiologic tool?" Environmental Geochemistry and Health 27: 47-53, 2005.
- Wymer LJ, Dufour AP, Calderon RL, Wade TJ, Beach M. "Comment on "Derivation of numerical values for the World Health Organization guidelines for recreational waters", Water Research 39:2774-2777, 2005.
- Craun, GF, Calderon RL, Craun MF. "Outbreaks associated with recreational water in the United States", International J Environ Health Res. 15: 243-262, 2005.
- Frost FF, Craun G, Mihaly K, Gyorgy B, Calderon R and Muller T. "Serological responses to Cryptosporidium antigens among women using riverbank-filtered water, conventionally filtered surface water and groundwater in Hungary", Journal of Water and Health, 3: 77-82, 2005.
- Wade TJ, Calderon RL, Sams E, Beach M, Brenner KP, Williams AH, Dufour AP "Rapidly measured indicators of recreational water quality are predictive of swimming-associated illness" Environmental Health Perspectives 114:24-28, 2006.